

CLEAN COPY OF AMENDED CLAIMS:

1. (Amended) A remote-end route-calculating navigation system, comprising:

an information center having at least one main information unit, said main information unit having an electronic map, route calculating software and a first communication device capable of transmitting/receiving phonic and digital information;

a navigation requester having a satellite positioning device and a second communication device, said second communication device having a man-to-system interface, an output unit, a data unit, a hands-free unit, a voice synthesizer, wireless communication equipment, a longitude/latitude contrasting and calculating unit, a communication protocol unit, a memory unit, and an orientation calculating unit, said man-to-system interface receiving input from a user for controlling said navigation requester, said output unit providing audio and video messages to said user, said data unit being a memory device for storing telephone numbers of said information center and addresses of digital networks necessary for coupling to said information center, said hands-free unit being fixed to said user's head allowing voice communication with said information center, said voice synthesizer having stored messages saved in a voice synthesizer memory, said longitude/latitude contrasting and calculating unit being adapted for receiving signals from said satellite positioning device and cooperating with

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Q1 electronic maps downloaded from said information center so as to identify instant positions of said user, said communication protocol unit having communication protocols saved in a protocol memory, said memory unit being adapted for recording data downloaded from said information center, said orientation calculating unit receiving signals from said satellite positioning device for consecutive usage, said satellite positioning device receiving signals from positioning satellites.

2. (Amended) The remote-end route-calculating navigation system as claimed in Claim 1 wherein said information center and said communication device share a common communication protocol whereby two-way transmission and reception of information can be carried out therebetween.

Q2 4. (Amended) The remote-end route-calculating navigation system as claimed in Claim 1 wherein said navigation system can provide traffic-related information.

MARKED-UP COPY OF AMENDED CLAIMS:

1. (Amended) A remote-end route-calculating navigation system, comprising [at least one or more than one information center and a plurality of navigation requesters, wherein]:

[said] an information center [includes] having at least one main information unit, said main information unit having [consisting of] an electronic map, [and a] route calculating software and a first communication device capable of transmitting/receiving phonic and digital information;

[said] a navigation requester [comprises] having a satellite positioning device and a second communication device, said second communication device having a man-to-system interface, [and] an output unit, a data unit, a [hand free] hands-free unit, a voice synthesizer, [a] wireless communication equipment, a longitude/latitude contrasting and calculating unit, a communication protocol unit, a memory unit[,], and an orientation calculating unit[;], said man-to-system interface [generally refers to a keyboard matrix, hand-write input, touch-on screen, microphone that are interfaces permitting users to input data;] receiving input from a user for controlling said navigation requester, said output unit [generally refers to a monitor, speakers and etc., and is a unit for permitting a system to output indications or alarms message;] providing audio and video messages to said user, said data unit [is used to

store] being a memory device for storing telephone numbers of [the] said information center and [the] addresses of digital networks [and etc. that are data used to couple] necessary for coupling to [the] said information center[;], said [hand free] hands-free unit [permits a user to communicate with the information center by way of a cellular telephone or a communication device without holding a phone device in operation;] being fixed to said user's head allowing voice communication with said information center, said voice synthesizer [is] having stored [with suggested driving routes, conditions and etc. to cope with the downloaded digital data from the information center; said wireless communication equipment can be a cellular telephone or other wireless communication devices;] messages saved in a voice synthesizer memory, said longitude/latitude contrasting and calculating unit [is] being adapted for receiving signals from [a] said satellite positioning device and cooperating with electronic maps downloaded from [the] said information center so as to [pinpoint] identify instant positions of [a] said user[;], said communication protocol unit [is stored with a wireless] having communication [protocol] protocols saved in a protocol memory, [a satellite positioning signals coding protocol, a digital information transmitting protocol and other various protocols and codes and decodes indispensably required;] said memory unit [is] being adapted for recording data [including information] downloaded from [the] said information center, [displaying information or inputting information;] said orientation

calculating unit [is used to receive] receiving signals from [a] said satellite positioning device for consecutive usage[;], said satellite positioning device [is used to receive] receiving signals from positioning satellites.

2. (Amended) The remote-end route-calculating navigation system as claimed in Claim 1 wherein said information center and said communication device share a common communication protocol whereby two-way [transmission/receiving] transmission and reception of information can be carried out therebetween.

4. (Amended) The remote-end route-calculating navigation system as claimed in Claim 1 wherein said navigation system can provide [on-the-move] traffic-related information [including instant traffic conditions on roads, intersection types of roads, road names, turning instructions and etc.].